

**AMENDMENTS TO THE CLAIMS**

**In the Claims:**

Please cancel claims 11–35 without prejudice to the underling subject matter. Please add new claims 36–48 as follows.

The following listing of claims replaces all prior versions and listings of claims in the application.

**Listing of Claims:**

1.–35. (Canceled).

36. (New) A method for creating a document based on an object, comprising:  
creating a plurality of classes and a plurality of objects based on the plurality of classes;

storing a serialized copy of each of the plurality of classes in a database;  
storing a serialized copy of each of the plurality of objects in the database;  
generating an interface based at least one object stored in the database;  
creating a document based on the interface; and  
presenting the document to a user.

37. (New) The method according to claim 36, wherein said generating an interface includes:

extracting a plurality of descriptions from the object stored in the database;  
organizing the plurality of descriptions to create the interface; and  
storing the interface in the database.

38. (New) The method according to claim 37, wherein said document includes:  
at least one field selected from the interface; and  
at least one execution command button.

39. (New) A system for creating a document based on an object, comprising:

a design module adapted to:

create a plurality of classes and a plurality of objects based on the plurality of classes,

store a serialized copy of each of the plurality of classes in a database, and

store a serialized copy of each of the plurality of objects in the database;

a generator adapted to:

generate an interface based on at least one object stored in the database;

and

a command module adapted to:

create a document based on the interface, and

present the document to a user.

40. (New) The system according to Claim 39, wherein said design module includes:

a creation module adapted to:

create the plurality of classes; and

a derivation module adapted to:

derive a class by inheriting the properties of a parent class selected from the plurality of classes,

instantiate an object based on a class selected from the plurality of classes,  
and

clone an object selected from the plurality of objects.

41. (New) The system according to Claim 40, wherein said derivation tool is adapted to:

load a parent class from the database into a memory;

assign a new class name to the parent class loaded in the memory;

store a serialized copy of the new class, including a table having a reference to the parent class, in the database.

42. (New) The system according to Claim 39, wherein each serialized copy of the plurality of classes includes a tree having all of the classes directly and indirectly referenced thereby.

43. (New) The system according to Claim 39, wherein each serialized copy of the plurality of objects includes a tree having all of the objects directly and indirectly referenced thereby.

44. (New) The system according to Claim 39, wherein said plurality of classes includes a global generic class, a generic attribute class, a generic method class and a generic parameter class.

45. (New) The system according to Claim 44, wherein said global generic class includes at least one instance of the generic attribute class and at least one instance of the generic method class.

46. (New) The system according to Claim 45, wherein said instance of the generic method class includes at least one instance of the generic parameter class.

47. (New) The system according to Claim 39, wherein said generator includes:  
an extraction block adapted to:

extract a plurality of descriptions from at least one object in the database;  
and

a generation block adapted to:

organize the plurality of descriptions to create the interface, and  
store the interface in the database.

48. (New) The method according to claim 39, wherein said document includes:  
at least one field selected from the interface; and  
at least one execution command button.